

	Month	Page
755 Computer driven RTTY Part 2 (T. Moffat)	Dec	100
756 Glass teletype using the VZ200 Part 1	Nov	106
756 Glass teletype using the VZ200 Part 2	Dec	93
807 Tug-o-war game (P. Ihnat)	Aug	74
1410 150 W bass guitar amp Part 1 (R. Irwin)	Aug	92
1410 150 W bass guitar amp Part 2 (R. Irwin)	Sep	68
1420 Modular paging amplifier/sound system (G. Nicholls)	Jul	108
1421 Versatile pre-amp module for paging system (G. Nicholls)	May	91
1422 Low cost column speakers (R. Irwin)	Dec	56
1521 An enlarging exposure meter with digital readout (P. Ihnat)	Mar	96
1522 Control up to four room lights over a twin-wire cable Part 1 (I. Thomas)	Mar	86
1522 Control up to four room lights over a twin-wire cable Part 2 (I. Thomas)	Apr	116
1523 Digital readout electronic scales Part 1 (I. Thomas)	Jun	100
1523 Digital readout electronic scales Part 2 (I. Thomas)	Jul	117
1524 Electronic mousetrap (I. Thomas)	Aug	80

SCIENCE

Australia's advanced technology telescope (R. Harrison)	Jul	14
Surface acoustic wave devices — fundamentals and applications (P. J. Hall)	Jan	118

SHORT CIRCUITS

Analogue joystick for the ETI-660 (I. Bishop)	Oct	86
Pseudo zener (D. Kay)	Jul	130

TECHNOLOGY

Silicon compiler (J. Rowe)	Oct	14
Stretched surface disks (C. Rivers)	Dec	117
Understanding the microprocessor — a correspondence course reviewed (J. Whyte)	Feb	61

VIDEO

Computer video instrument (J. Fairall)	Oct	30
Film v Video (J. Fairall)	Aug	35
Shrinking video camera recorder (D. Lingane)	Sep	31
Stereo TV (J. Fairall)	Aug	27
TV set goes digital (J. Fairall)	Dec	14

NOTES AND ERRATA 1984

Project 563, Fast NICad Charger, July '80 and Top Projects Vol. 7: Constructors having difficulty obtaining the 1N5625 diodes specified for D6 and D7 in this project, note that Motorola type MR-856 diodes may be substituted.

Project 1517, September '83: There are two errors in the wiring diagram of the Video Distributor Amp. On page 148, the two yellow wires from the 2851 transformer are shown going to the top and bottom tags of the tagstrip — this is incorrect. They should both be moved one tag toward the centre of the tagstrip.

Project 166, Part 4, October '83: The following errors crept into the parts list; C17 should be deleted, C18 — 22p ceramic, C19 — 470p ceramic, C20 — 4n7 greencap, C21 — 47n greencap, C22 — 470n greencap, C23 — 4µ7/16 V RBLL, C24 — 47µ/16 V RBLL. C24 shown on the circuit as 100n was not put on the pc board. It may be soldered on the copper side between pins 1 and 14 of IC4. There are two R40s on the overlay. The one next to R54 is actually R58. Some relays may not match the board and it will be necessary to drill extra holes and wire them in with links.

Project 175, Part 2, October '83: Q1 and Q2, shown in the parts list, do not exist.

Project 412, October '83: The linking for dot/bar mode is shown incorrectly on the circuit and component overlay. For a dot mode display, link pins 9 and 11 (as per the photograph of the board); for the bar mode, link pin 9 to the positive supply.

Upgrading the ETI-668 EPROM Programmer, January '84: Two connections to the 4PDT switch have been interchanged. Looking at the wiring diagram on page 70, the two upper and lower right hand wires have been transposed. The upper one says "PIN 7 PERSONALITY SKT" but should go to R14/15 — SW2b, the lower one says "R14/15 — SW2b" and should go to pin 7 of the personality socket.

Project 274, Damn Fast NICad Charger, February '84: Figure 2 shows the battery negative connected to the heatsink. It should be insulated from it. The BYX200L diode cathode connects to the collector of Q4/Q5 and R1/LED1 via the heatsink, not the wires shown.

Project 676, Microbee RS232er, February '84: The pinout for the transistors, shown on page 65, is all screwed up. Use the pinout on page 111.

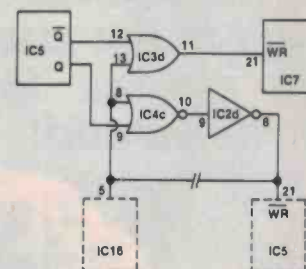
Ideas for Experimenters, February '84: On page 116 the 'electric floor heat earth leakage monitor' normally ticks at about 1 Hz, not 1 kHz as was printed. It was also stated that any small leakage of ten milliohms or less will increase the frequency of the output. The value of the leakage should be ten megohms.

Compost Calculator, February '84: A few errors were discovered in the flow chart on page 76. In the top half of the diagram, second from the left, under the heading 'flowchart compost' step six should be FOR J=1 TO N. On the far right under the heading 'search array and calculate C/N ratio', step four should be IF A(1,4) < -0.125.

In the bottom half of the diagram the steps following '500' should be D=+1, C=1 and H=1. Under '550' it should be D=-1. The third step following '600' should be C=C+D. Under '700' it should be D>0.

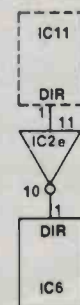
More functions for the VZ200, March '84: There is an error in the second column, just above the listing of the short BASIC program. It should be ... (Can be done directly by POKE 30945,175.)

Idea of the month, April '84: The following bit of circuitry was left off the circuit diagram:



Notice that the WR lines of IC7 and IC5 should not be joined, but should be connected as shown.

There should be an inverter in the line from pin 1 of IC11 on the Microbee to pin 1 of IC6 as follows:



There is also an error in the program listing that accompanied the article. These should read: >

1. LD A, 50H	2. LD A, 2
LD (0D3H), A	OUT (0CH), A
LD A, 59 H	LD A, 59 H
LD (0D4H), A	OUT (0DH), A
LD HL, 0E1 H	LD A, 1
CALL 85A7 H	OUT (0CH), A
	LD A, 50 H
	OUT (0DH), A

The role of ionospheric measurements in high frequency communications, by David G. Cole, May '84: The panel on pages 146-147, containing information of the IPS-42 ionosonde manufactured by KEL Aerospace was an addition to the article and not material supplied by the author. The ionogram on page 147, supplied by KEL Aerospace, is by way of illustration, the table of scaled parameters below it contains errors and should not be taken 'as read'.

Eprom programmer listing for ETI 662b Timer/Controller, May '84: Location 61C5H should contain 86 not 96.

Printers feature, July '84: In the list of distributors given at the end of this feature, Polykit Electronics was shown correctly as distributors of CP-80, and Juki 6100 printers. However, Polykit Electronics has advised that it has no direct connection with Rod Irving Electronics or C-Tech, which are separate companies.

Chip 8, July '84: The '3D Maze' program by Peter Easdown, published in the July 1984 issue, contained an error in the first paragraph of the text. The program does NOT require Bill Kreykes' high resolution modification to the '660 to work.

Project 278, November '84: The overlay and wiring diagram on page 70 contains an error in the caption at the top left corner. The sentence "make sure the green (neutral) mains lead is the longest" should read as follows: "make sure the green/yellow striped earth wire is the longest."

Project 756, November '84: P. 107, last column, there are nine links on the decoder board, not eight. On the circuit diagram, P. 109, C23 should read 470n; Parts List is correct. P. 110, in the table under "Immediate Commands", the second command is SHIFT X. In the text on P. 110, second last paragraph, the last sentence should read: "See that the two polarized capacitors (C21 and C22) are correctly oriented." Note that R7 is actually 2k7, as per Parts List, not 4k7, as per circuit.